

Certificate of Analysis

GeneBLAzer[®] CMV-bla Jurkat Cell Line, 1 Vial



Part Number: K1045 Cell Part Number

Lot Number: 1876600

Immediate Storage: Liquid nitrogen or thaw for immediate use.

Shipping Conditions: dry ice overnight (or liquid N₂ followed by dry ice overnight)

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Description:

The GeneBLAzer[®] CMV-bla Jurkat Cell Line has been engineered to express the beta-lactamase (*bla*) reporter gene under the control of the CMV promoter. The CMV-*bla* Jurkat Cell Line constitutively expresses beta-lactamase and can be used as a positive control for beta-lactamase expression.

Quantity of Cells: ~ 5,000,000 cells/vial at 5,000,000 cells/mL

Harvest Density:

This lot of cells was harvested at a density of 1,600,000 cells/mL for the functional QC testing. A similar harvest density is recommended for your experiments.

Passage Number: 36

Cell Phenotype: Lymphoblast

Growth Properties: Suspension

Antibiotic Selection: Geneticin (G418)

Storage and Handling:

After shipment either thaw for immediate use or store in liquid nitrogen. **Cells stored for more than 1 day at -80°C quickly lose viability.** If properly banked, cells are guaranteed for six months in liquid nitrogen.

Storage Buffer:

Recovery[™] Cell Culture Freezing Medium (Invitrogen #12648-010).

Biosafety Level: 1

Seeding Density:

Thaw, count and seed. Suggested seeding density 100000-200000 cells/mL.

Instrument Settings:

The GeneBLAzer[®] CMV-bla Jurkat Cell Line requires a fluorescence plate reader capable of doing FRET and filters in the **excitation filter at 360 nm and an emission filter at 485 nm** range. When used with the LiveBLAzer[™] or ToxBLAzer[™] substrate an instrument capable of bottom reads is required. For instrument specific set-up information go to www.invitrogen.com/instrumentsetup.

Protocol or Product Information Sheet:

Visit www.lifetechnologies.com, search on the cell or kit part number and select manuals.

QUALITY ASSURANCE

Lot Specific Testing

Mycoplasma: Negative

Functional Testing:

Each lot of the GeneBLAzer[®] CMV-bla Jurkat Cell Line is tested for performance using the LiveBLAzer[™] substrate. **Pass**

Ann Leonard

Date: 17/Mar/2017

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LiveBLAzer[™] is a trademark of Life Technologies Corporation.

ToxBLAzer[™] is a trademark of Life Technologies Corporation.

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For questions, please contact our Technical Support Team

N. Am Ph#: 800-955-6288 or INTL Ph#: 760-603-7200 Select option 5, ext. 40266 Email: drugdiscoverytech@lifetech.com